



03500.017420

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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| In re Application of: |) | |
| | : | Examiner: Unassigned |
| SHUICHI MURAKAMI ET AL. |) | |
| | : | Group Art Unit: 2853 |
| Application No.: 10/621,347 |) | |
| | : | |
| Filed: July 18, 2003 |) | |
| | : | |
| For: INK JET RECORDING HEAD |) | November 19, 2003 |

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

SECOND INFORMATION DISCLOSURE STATEMENT

Sir:

In compliance with the duty of disclosure under 37 C.F.R. § 1.56 and in accordance with the practice under 37 C.F.R. §§ 1.97 and 1.98, the Examiner's attention is directed to the documents listed on the enclosed Form PTO-1449. A copy of each of the listed documents is enclosed.

The listed documents were cited in a Communication dated October 13, 2003, from the European Patent Office in a corresponding foreign application. A copy of the communication is also enclosed.

FORMAL MATTERS

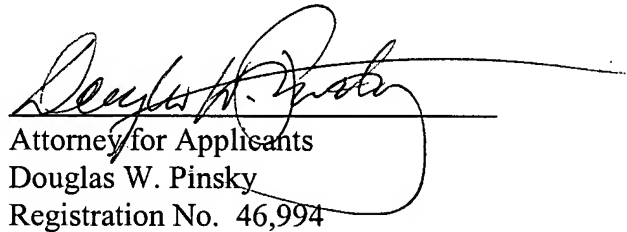
In accordance with 37 C.F.R. § 1.97(b), since a first Office Action on the merits has not yet been issued, neither a statement under 37 C.F.R. § 1.97(e) nor payment of a fee is required for consideration of this Second Information Disclosure Statement.

CONCLUSION

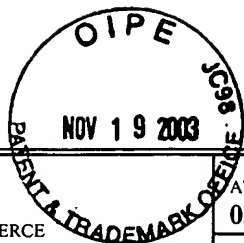
It is respectfully requested that the above information be considered by the Examiner and that an initialed copy of the enclosed Form PTO-1449 be returned indicating that such information has been considered.

Applicants' undersigned attorney may be reached in our Washington, D.C. office by telephone at (202) 530-1010. All correspondence should continue to be directed to our below-listed address.

Respectfully submitted,


Attorney for Applicants
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DWP/tmc



FORM PTO 1449 (modified)

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICELIST OF REFERENCES CITED BY APPLICANT(S)
(Use several sheets if necessary)

November 19, 2003

ATTY DOCKET NO.

03500.017420

APPLICATION NO.

10/621,347

APPLICANT

SHUICHI MURAKAMI ET AL.

FILING DATE

July 18, 2003

GROUP

2853

U.S. PATENT DOCUMENTS

| *EXAMINER INITIAL | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|----------------------|--------------------|---------|--------------------|-------|----------|-------------------------------|
| | 5,489,930 | 02/1996 | Anderson | | | |
| | 6,161,923 | 12/2000 | Pidwerbecki et al. | | | |
| | 6,309,054 B1 | 10/2001 | Kawamura et al. | | | |
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FOREIGN PATENT DOCUMENTS

| DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION YES/NO/ OR ABSTRACT |
|--------------------|------|---------|-------|----------|---------------------------------------|
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OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

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|----------|-----------------|
| EXAMINER | DATE CONSIDERED |
|----------|-----------------|

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicants.
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Sheet 1 of 1